

FIG. 1

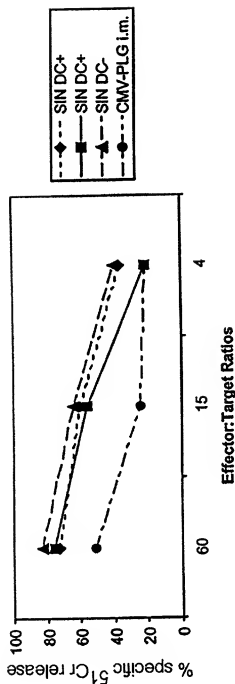


FIG. 2

Potent Cell-mediated Immunity in Local and Peripheral Lymphoid  
Tissues Following IN Immunization with SIN Particles

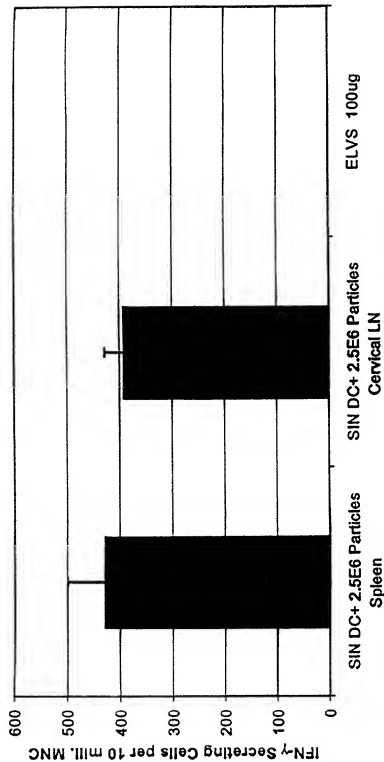


FIG. 3



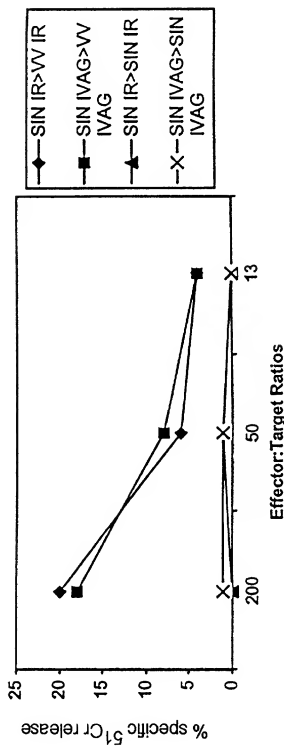


FIG. 4

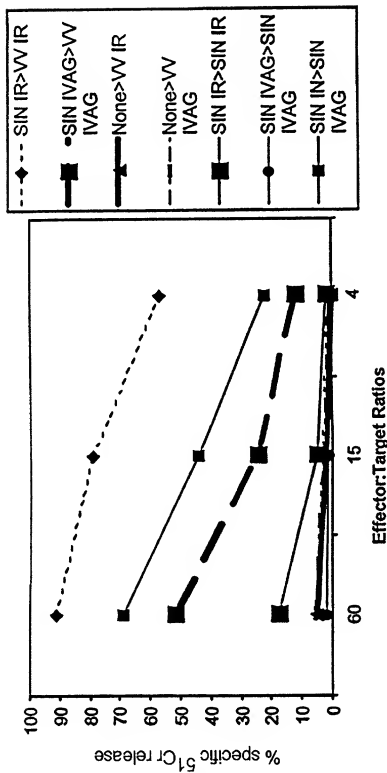


FIG. 5

Gag-specific IFN- $\gamma$  secreting cells in Spleen  
IR and IVAG Immunizations with SIN  
IR and IVAG challenge with VV

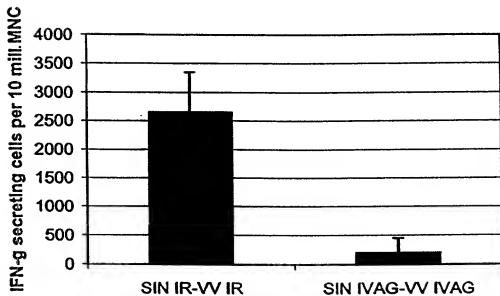
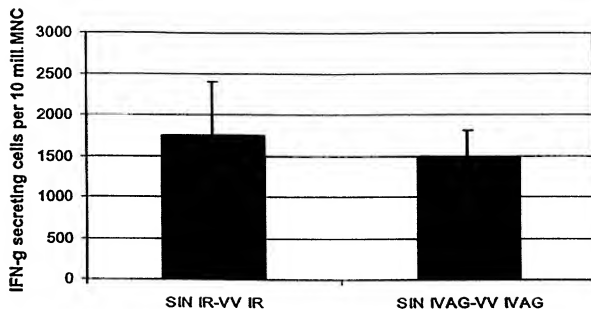


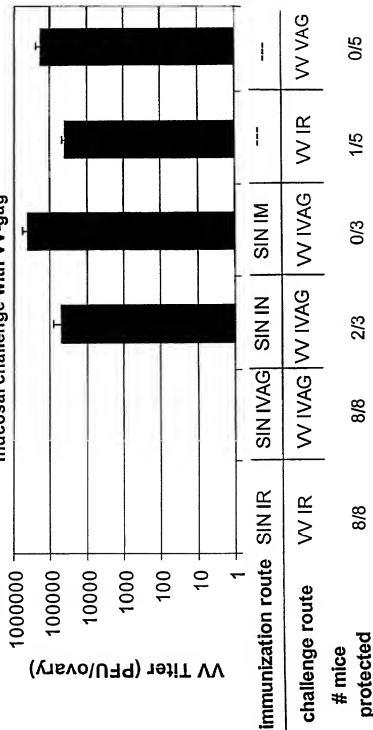
FIG. 6



**Gag-specific IFN- $\gamma$  secreting cells in iliac LN  
IR and IVAG Immunizations with SIN  
IR and IVAG challenge with VV**



**FIG. 7**



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Gag-specific serum titers

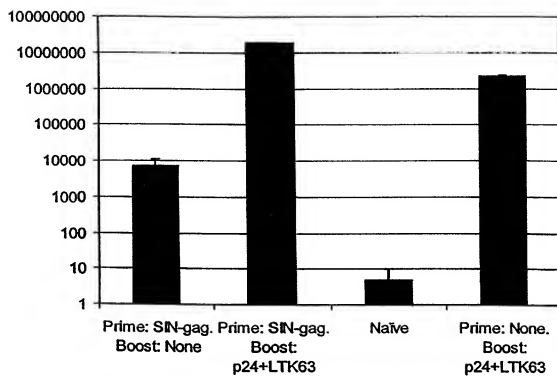


FIG. 9



gp120-specific serum titers

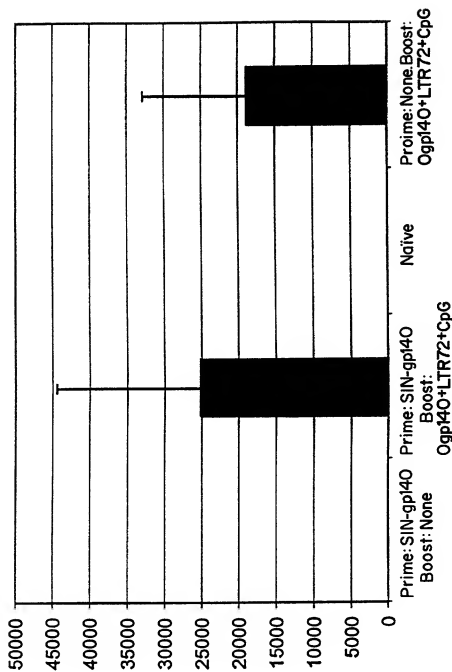


FIG. 10

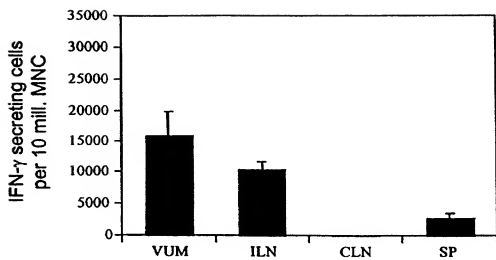


FIG. IIA

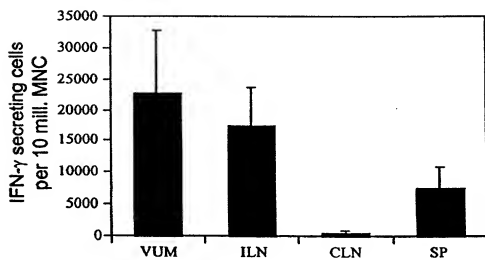


FIG. IIB

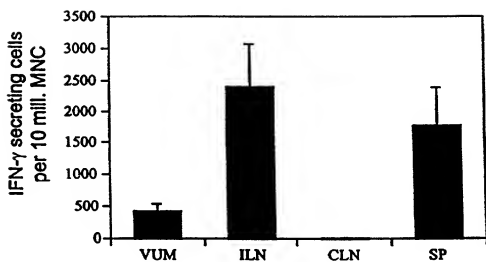


FIG.IIC

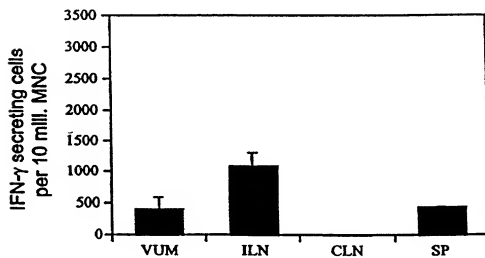


FIG.IID

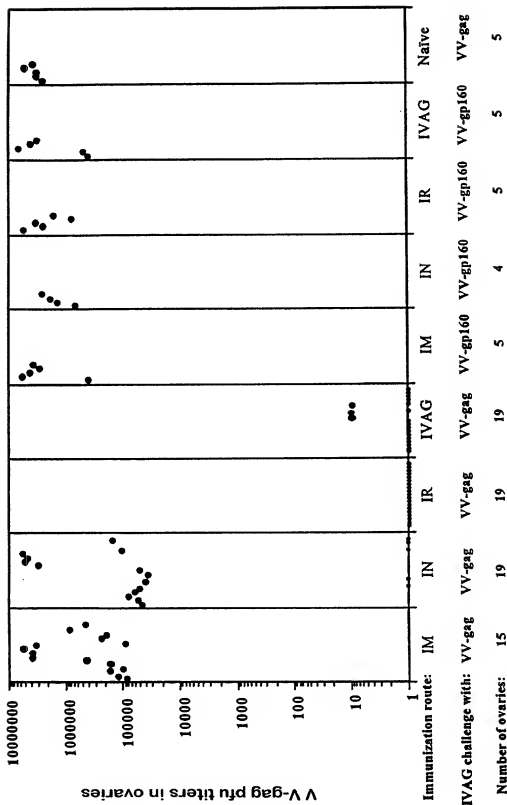


FIG. 12

Comparison of splenic cellular HIV-gag (p7g) responses measured by IFN- $\gamma$  ELISPOT assay, two weeks following three intra-nasal immunizations with various alphavirus-based replicon particles

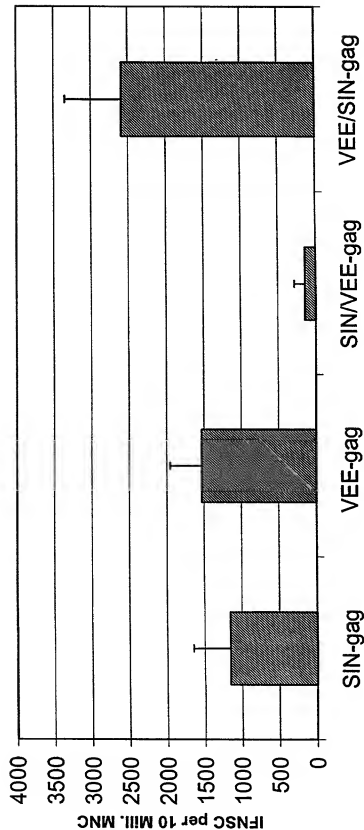


FIG. 13